



IN THE CLAIMS

Claim 1 has been amended as follows:

1. (Currently Amended) A method for localizing at least one focal lesion in a biological tissue section, said lesion exhibiting an electrical property different from the tissue section, and the electrical property in the tissue section being essentially constant, comprising the steps:

applying a sequence of electrical excitation signals respectively having different ~~frequency~~ frequencies to the tissue section;

measuring electrical response signals respectively at a plurality of measuring locations on a surface of the tissue section that occur due to the excitation signals, said surface having surface directions defining said surface;

determining electrical admittance data from the response signals dependent ~~on the location on the~~ said surface directions;

determining a maximum of the admittance data, and ~~of a position,~~ relative to said surface directions on the surface corresponding to said maximum;

and

using orthogonal leadfields, determining a depth position of the lesion beneath the position of the maximum dependent on the position of the maximum.

Claim 2 has been cancelled.

2. (Cancelled)